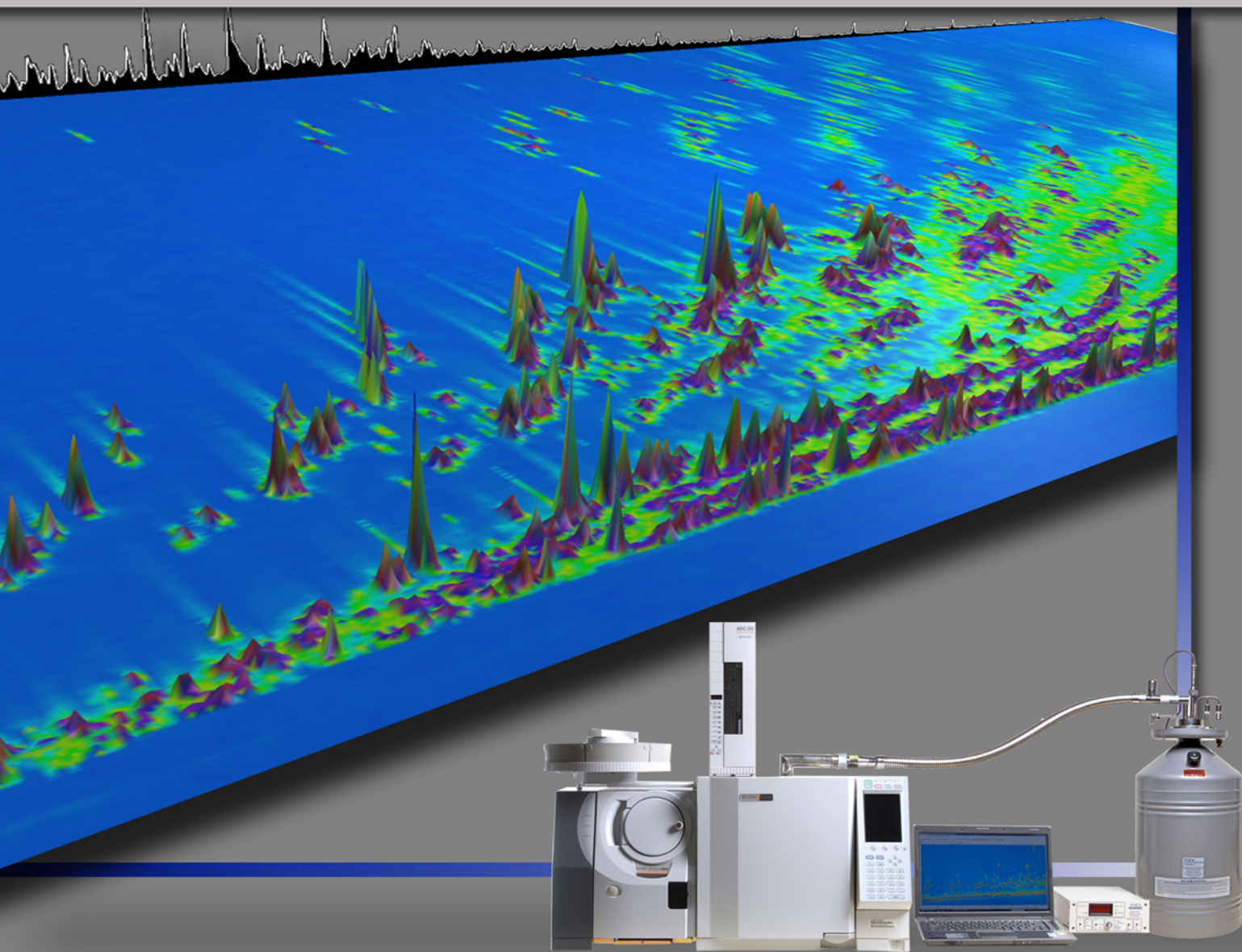


## ZX-1 Thermal Modulation GC x GC System

The majority of chemical mixtures are far more complex than conventional GC has led us to believe. ZX-1 modulates the widest range of organic compounds. Gain over 10 times improvement in GC resolution and 5 times in sensitivity.



## Applications

- Petrochemicals - GC x GC provides the best chemical group information
- Environmental
- Food and Flavors
- Fragrance and Perfumery
- Metabolomics

## ZX-1

### Thermal Modulator

Two-stage thermal modulator using a continuous cold jet flow and a regularly pulsed hot jet to remobilize trapped effluent.

The ZX-1 system provides the lowest practical temperature for thermal modulation, hence modulates the widest range (C2 to C55) of organic compounds.

### Two-Stage "Loop Modulation"

Hot jet temperature  
Cold jet temperature  
Modulation period  
N2 consumption

Up to 475°C  
As low as -189°C  
Interval of 1 sec to 32 sec  
18 SLM per jet-MAX



The Zoex "Loop Modulator" is a particularly Simple, Robust and User-friendly device.

### Cryogenic Cooling System

Liquid nitrogen heat exchanger  
Maximum cooling temperature: -189°C at the jet  
Flexible vacuum insulated cold gas delivery line 36" long  
Bench top dewar :5L, 24"H  
Automatic liquid level controller  
Dimensions :3.8"H x 8.4"W x 11.1"D  
Weight :3.6 lbs / 1.6 kg

### Pricing

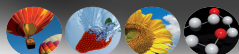
Toll-free (866) 904 2942 Office (281) 484 2828 [www.ZOEX.com](http://www.ZOEX.com)

### Learn More

Zoex offers on-site and online training. Our on-site classes (held at our headquarters in Houston, Texas and at our Zoex Europe office based in Eindhoven, The Netherlands) receive high praise from comprehensive GC analysts across the globe.

### Support

Zoex Corporation answers telephone calls in person during regular business hours (866) 904 2942 USA and +31 (0) 40 257 3972 EUROPE  
Email support: [info@zoex.com](mailto:info@zoex.com) or [info@zoex.eu](mailto:info@zoex.eu)  
Online Meetings: We invite online meetings with technical staff at any time.  
Contact us to learn how easy and efficient it is to use our online training service and support facilities.



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